## IN THE CLAIMS

Please amend the claims as follows:

Claim 1. (Currently Amended) A power transmission chain including:

a plurality of links having front and back insertion parts through which pins are

inserted; and

a set of pins comprising a plurality of first pins and a plurality of second pins for

connecting the links aligned in a chain width direction so as to be bendable in a longitudinal

direction such that a front insertion part of one link and a back insertion part of another link

correspond to each other, in which a first pin fixed to a front insertion part of one link and

movably fitted in a back insertion part of another link and a second pin movably fitted in the

front insertion part of the one link and fixed to the back insertion part of the other link move

relatively in a rolling and contacting manner so as to enable bending in a longitudinal

direction between the links,

wherein at least two kinds of said sets of pins are provided, in which loci of rolling

contact movement of the first pin and the second pin are different in each of the kinds of sets

of pins, and wherein one or another of said at least two kinds of sets of pins are arranged

randomly in said plurality of links,

wherein a locus of a contact position of the first pin and the second pin is an involute

of a circle, and a basic circle radius of an involute of the one of said two kinds of sets of pins

is larger than a basic circle radius of an involute of the another of said two kinds of sets of

pins.

Claim 2. (Previously Presented) The power transmission chain as claimed in claim 1,

wherein two or more kinds of links having different pitches are provided, and one or another

of said two or more kinds of links are arranged randomly in the power transmission chain.

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Claim 3. (Currently Amended) The power transmission chain as claimed in claim 1 or 2, wherein the a locus of the rolling contact movement is an involute curve of a circle whose

basic circle radius is Rb obtained by

$$x = Rb \cdot (\sin \gamma - \gamma \cdot \cos \gamma)$$
, and

$$y = Rb \cdot (\cos \gamma + \gamma \cdot \sin \gamma) - Rb,$$

where a contact position of the first pin and the second pin in a chain linear part is an origin, a chain linear direction is an x axis, a direction orthogonal thereto is a y axis, and an angle defined by a pin tangential direction with respect to the y axis at a contact position of the first pin and the second pin in a chain curved part is  $\gamma$ .

Claim 4. (Original) The power transmission chain as claimed in claim 3, wherein the following relationships are established:

$$Rb = k \cdot R$$
, and

$$0.25 < k < 2r$$
, where,

when used as a chain for a CVT, a minimum radius of the chain curved part is R, and a transmission ratio of the CVT is r.

Claim 5. (Cancelled).

Claim 6. (Currently Amended) The power transmission chain as claimed in claim 2, wherein a locus of a contact position of the first pin and the second pin is an involute of a circle, and a basic circle radius of an involute of a link having a large pitch is larger than a basic circle radius of an involute of a link having a small pitch.

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Claims 7-8. (Cancelled).

Claim 9. (Previously Presented) A power transmission device comprising:

a first pulley having a sheave face in a conical surface shape;

a second pulley having a sheave face in a conical surface shape; and

a power transmission chain provided over the first pulley and the second pulley,

wherein the power transmission chain is one according to any of claims 1 or 2.

Claim 10. (Currently Amended) The power transmission chain as claimed in claim

[[5]]  $\underline{1}$ , wherein [basic circle radius of involute]/[height of pin] = 5 to 20.

Claims 11-13. (Cancelled).

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